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In the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently Amended) A foot-operated controller comprising:
a substrate having a plurality of pressure sensors mounted at selected locations on the substrate to facilitate control of a controllable device by application of pressure from selected parts of a foot to the sensors; and
a microprocessor for receiving input from the sensors and converting the sensor inputs into commands for the controllable electromechanical device.
2. (Currently Amended) The foot-operated controller of claim 1, further comprising a radio transmitter for ~~converting pressure exerted on the sensors by various parts of a foot into control signals that are broadcast to a receiver and transmitted to an electromechanical device sending the commands to the controllable device.~~
3. (Original) The foot-operated controller of claim 1, located on or within the insole of a shoe.
4. (Currently Amended) The foot-operated controller of claim 1, in which the microprocessor is hard-wired to the controllable electromechanical device.
5. (Original) The foot-operated controller of claim 1, wherein the microprocessor is located on the substrate.

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6. (Currently Amended) A prosthetic system comprising:

a controllable prosthetic device;

a foot-operated controller including a substrate having a plurality of pressure sensors mounted at selected locations on the substrate to facilitate control of the controllable prosthetic device; and

a microprocessor for receiving input from the sensors and converting the sensor inputs into commands for the controllable prosthetic device.

7. (Original) The prosthetic system of claim 6, wherein the prosthetic device is a prosthetic hand.

8. (Currently Amended) The prosthetic system of claim 6, further comprising a radio transmitter for ~~converting pressure exerted on the sensors by various parts of a foot into control signals that are broadcast to a receiver and transmitted to an electromechanical arm~~ sending the commands to the controllable prosthetic device.

9. (Original) The prosthetic system of claim 6, located on or within the insole of a shoe.

10. (Currently Amended) The prosthetic system of claim 6, in which the microprocessor is hard-wired to the controllable electromechanical device.

11. (Original) The prosthetic system of claim 6, wherein the microprocessor is located on the substrate.

12. (New) The foot-operated controller of claim 1 further comprising a controllable prosthetic device operatively connected to the microprocessor to provide commands to the controllable prosthetic device in response to input from the sensors of the foot-operated controller.